Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A bipolar current collector separator for a fuel cell composed of a metal plate having flow channels and contact faces that come into contact with an electrode or a collector, wherein a corrosion-resistant layer is disposed on each of said flow channels and further wherein:

said corrosion-resistant layer is an anodized aluminum layer or a heat resistant polymer layer and said metal plate is made of aluminum or an aluminum alloy.

2. (canceled)

- 3. (currently amended)) The bipolar current collector separator according to claim 21, wherein said anodized aluminum layer is composed of a dense anodized aluminum layer having a porosity of less than 5%.
- 4. (original) The bipolar current collector separator according to claim 3, wherein said dense anodized aluminum layer has a thickness of 5 to 50 μm .

- 5. (currently amended) The bipolar current collector separator according to claim 21, wherein said anodized aluminum layer is composed of a dense anodized aluminum layer having a porosity of less than 5%, and a porous anodized aluminum layer having a porosity of 5% or more provided on said dense anodized aluminum layer.
- 6. (currently amended) The bipolar current collector separator according to claim 21, wherein said aluminum has a purity of 99.5% or more.
- 7. (currently amended) The bipolar current collector separator according to claim 21, wherein a corner portion formed between surfaces of said flow channel is in the shape of a curved surface having a curvature radius of 0.5 mm or more.
- 8.(currently amended) The bipolar current collector separator according to claim 21, wherein a corner portion formed between a side surface of said flow channel and said contact face is in the shape of a curved surface having a curvature radius of 0.3 mm or more.

9-13. (canceled)

- 14. (currently amended) The bipolar current collector separator according to claim 131, wherein ansaid anodized aluminum layer is provided on said flow channel, and saida heat-resistant polymer layer being is disposed on said anodized aluminum layer.
- 15. (original) The bipolar current collector separator according to claim 14, wherein said anodized aluminum layer is composed of a porous anodized aluminum layer having a porosity of 5% or more.
- 16. (original) The bipolar current collector separator according to claim 14, wherein said anodized aluminum layer is composed of a dense anodized aluminum layer having a porosity of less than 5%, and a porous anodized aluminum layer having a porosity of 5% or more provided on said dense anodized aluminum layer.

17. (canceled)

18. (previously presented) The bipolar current collector separator according to claim 1, wherein a conductive film is

disposed on one of said contact faces.

19. (previously presented) The bipolar current collector separator according to claim 18, wherein said conductive film is made of a metal selected from the group consisting of Pt, Au, Pd, Ru, Rh, Ir, Ag, mixtures thereof and alloys composed thereof; carbon; or a conductive carbide.

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